CLAIMS

What is claimed is:

1. A pump assembly for an implantable prosthesis, the pump assembly comprising:

a housing including a valve assembly,

a pump bulb that is squeezable through tissue, the pump bulb having a plurality of discrete, discontinuous, spaced apart protrusions, and

wherein the protrusions are sized, shaped and arranged to resist relative movement between tissue and the implantable prosthesis when the pump bulb is squeezed.

2. A pump according to claim 1 wherein the protrusions comprise shaped structures selected from the group consisting of oval, linear, elliptical, circular, polygonal, triangular and combinations thereof.

3. A pump assembly for an implantable prosthesis, the pump assembly comprising:

a housing including a valve assembly,

a pump bulb having a plurality of protrusions with a longitudinal axes, the protrusions being arranged to be spaced apart by a plurality of grooves with longitudinal axes, and

wherein the protrusions have ends that separate the protrusions from each other.

4. A pump assembly according to claim 3 wherein the ends form channels having longitudinal axes extending at angles relative to the longitudinal axes of the grooves.

5. A pump assembly according to claim 4 wherein the angles are approximately ninety degrees.

6. A pump assembly according to claim 3 wherein the protrusions have tip portions and the distance between tip portions of adjacent protrusions is greater than 0.05 inches.

7. A pump assembly according to claim 3 wherein the protrusions have tip portions with rounds and the rounds have a radius of less than about 0.012 inches.

8. A pump assembly according to claim 7 wherein the rounds have a radius of less than about 0.006 inches.

9. A pump assembly according to claim 3 wherein the space between protrusions has a cross sectional area greater than about 0.0014 square inches.

10. A pump assembly according to claim 3 wherein the protrusions have a height of greater than 0.04 inches.

11. A pump assembly according to claim 3 wherein pump assembly is constructed from silicone.

12. A pump assembly according to claim 3 wherein the protrusions are substantially linear.

13. A pump assembly according to claim 3 wherein the ends of adjacent protrusions are spaced apart at least 0.08 inches.

14. A pump assembly according to claim 3 wherein the ends of the protrusions form a channel with a longitudinal axis that is configured at an angle relative to the longitudinal axes of the protrusions.

15. A pump assembly according to claim 14 wherein the angle is approximately ninety degrees.

16. A pump assembly for a prosthesis that is implantable in tissue, the pump assembly comprising:

a housing including a valve assembly,

a pump bulb having a plurality of protrusions spaced apart by grooves, wherein the protrusions and grooves have structure capable of blocking movement of the prosthesis relative to the tissue in three dimensions.

17. An implantable penile prosthesis comprising:

a reservoir for storing fluid;

a pump assembly in fluid communication with the reservoir;

a pair of cylinders in fluid communication with the pump assembly,

the pump assembly comprising:

a housing including a valve assembly, the housing being adapted to be deformed to operate the valve assembly;

the housing having at least three protrusions, and

a pump bulb.

18. An implantable penile prosthesis comprising:

a reservoir for storing fluid;

a pump assembly in fluid communication with the reservoir;

a pair of cylinders in fluid communication with the pump assembly,

the pump assembly comprising:

a pump bulb;

a bar shaped housing including a valve assembly, the housing being adapted to be deformed to operate the valve assembly;

the housing having end portions and side portions,

each end portion having at least one protrusion; and

the side portions having a side bar.